

What is claimed is:

1. An apparatus for transmitting read data having a scanner function, a data transmission function and a data compression function, wherein the apparatus comprises:

a document reading means for reading a document having been subjected to data processing of a predetermined content;

a data compression means for compressing the data read from the document with a designated file format;

a data transmission means for transmitting the compressed data to a selectable destination; and

a transmission capacity limitation confirmation means for confirming a limitation on a transmission capacity set for each data transmission means, said transmission capacity limitation confirmation means having a function of transmitting the read data to a designated destination via a designated data transmission means when it is confirmed that a data volume compressed for transmission falls within the limited range of transmission capacity set for said data transmission means.

2. The apparatus for transmitting read data according to claim 1, wherein said transmission capacity limitation confirmation means comprises a function of determining whether a plurality of other data transmission means different from the initially designated data transmission means are set up when it is confirmed that said data volume compressed for transmission exceeds the limited range of transmission capacity set for said

data transmission means; a function of determining whether said other data transmission means is capable of transmitting data with larger transmission volume than the initially designated data transmission means; a function of determining whether said data volume compressed for transmission falls within the limited range of transmission capacity set for said other data transmission means when said other data transmission means is capable of transmitting data with larger transmission volume than the initially designated data transmission means; and a function of transmitting the read data to a set designation via said other data transmission means different from the initially designated data transmission means when it is determined that said data volume compressed for transmission falls within the limited range of transmission capacity set for said other data transmission means.

3. The apparatus for transmitting read data according to claim 1 or claim 2, wherein the apparatus further comprises a field separation means, the field separation means having a function of performing field separation of a text field and a graphic field within each page of the whole data to be transmitted when it is determined that said data volume compressed for transmission exceeds the limited range of transmission capacity set for said other data transmission means; and

said transmission capacity limitation confirmation means comprises a function of designating an order for performing

recompression process of each page in the order of size of the text field or the graphic field determined by field separation; a function of carrying out the recompression process one page at a time in said designated order; a function of determining whether said data volume compressed for transmission falls within the limited range of transmission capacity set for said other data transmission means whenever a page is recompressed; and a function of transmitting the read data to the set destination via said other data transmission means when it is determined that the data volume compressed for transmission falls within the limited range of transmission capacity set for said other data transmission means.

4. The apparatus for transmitting read data according to claim 3, wherein said transmission capacity limitation confirmation means comprises a function of determining whether a page consists of only the text field as a result of said field separation means performing field separation of all the pages of the data to be transmitted, and a function of degrading a resolution of the page when it is determined that the page consists of only the text field by field separation.

5. The apparatus for transmitting read data according to claim 3, wherein said field separation means comprises a function of performing field separation of the read document, and said transmission capacity limitation confirmation means comprises

a function of determining whether the document having been subjected to field separation is a black-and-white document, and a function of converting a page data of the black-and-white document to a black-and-white image when it is determined that the document having been subjected to field separation is a black-and-white document.